

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		5. MINERAL LEASE NO.: ML-45172	6. SURFACE: State
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
2. NAME OF OPERATOR: Gasco Production Company		8. UNIT or CA AGREEMENT NAME: N/A	
3. ADDRESS OF OPERATOR: 8 Inverness Drive East, Suite 100, Englewood, CO 80112		PHONE NUMBER: 303-483-0044	9. WELL NAME and NUMBER: State #42-32-9-19
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1898' FNL and 746' FEL AT PROPOSED PRODUCING ZONE: SE NE		10. FIELD AND POOL, OR WILDCAT: Wildcat	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 27.3 miles Southeast of Myton, UT		11. QTR/QTR, SECTION, TOWNSHIP, RANGE MERIDIAN: Section 32, T9S-R19E	
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 746'	16. NUMBER OF ACRES IN LEASE: 476.29	12. COUNTY: Uintah	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): Approx. 1700'	19. PROPOSED DEPTH: 11,270'	13. STATE: UT	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4690' GL	22. APPROXIMATE DATE WORK WILL START: Upon Approval	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 acres: SE NE	
23. ESTIMATED DURATION: 35 Days		20. BOND DESCRIPTION: Statewide Bond No. 4127763	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17-1/2"	13-3/8", H40, 48#	200'	250 sx Class H, 15.6 ppg, 1.18 yield
11"	8-5/8", J-55, 32#	3,500'	400 sx Hi-fill, 11.0 ppg, 3.91 yield & 150 sx RFC cmt, 14.2 ppg, 1.63 yield
7-7/8"	4-1/2", R110, 13.5#	11,270'	1370 sx 65/35 Poz, 13.0 ppg, 1.74 yield & 1200 sx 50/50 Poz, 14.1 ppg, 1.28 yield

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- | | |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

AGENT: **PermitCo Inc., 14421 County Road 10, Fort Lupton, CO 80621**

AGENT'S PHONE NO.: **303/857-9999**

NAME (PLEASE PRINT) **Venessa Langmacher**

TITLE **Agent for Gasco Production Company**

SIGNATURE *Venessa Langmacher*

DATE **November 30, 2007**

(This space for State use only)

API NUMBER ASSIGNED: **43-047-39795**

APPROVAL:

RECEIVED
DEC 03 2007
DIV. OF OIL, GAS & MINING

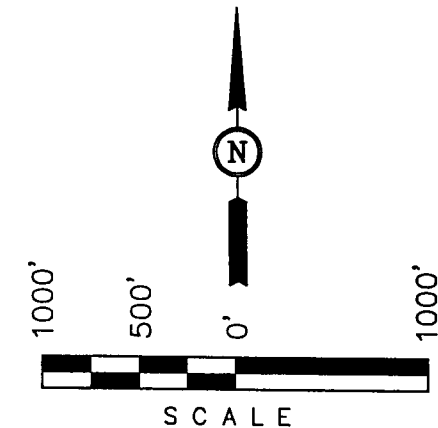
T9S, R19E, S.L.B.&M.

GASCO PRODUCTION COMPANY

Well Location, STATE #42-32-9-19, located as shown in the SE 1/4 NE 1/4 of Section 32, T9S, R19E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 36, T9S, R18E, S.L.B.&M. TAKEN FROM THE MOON BOTTOM QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5011 FEET.



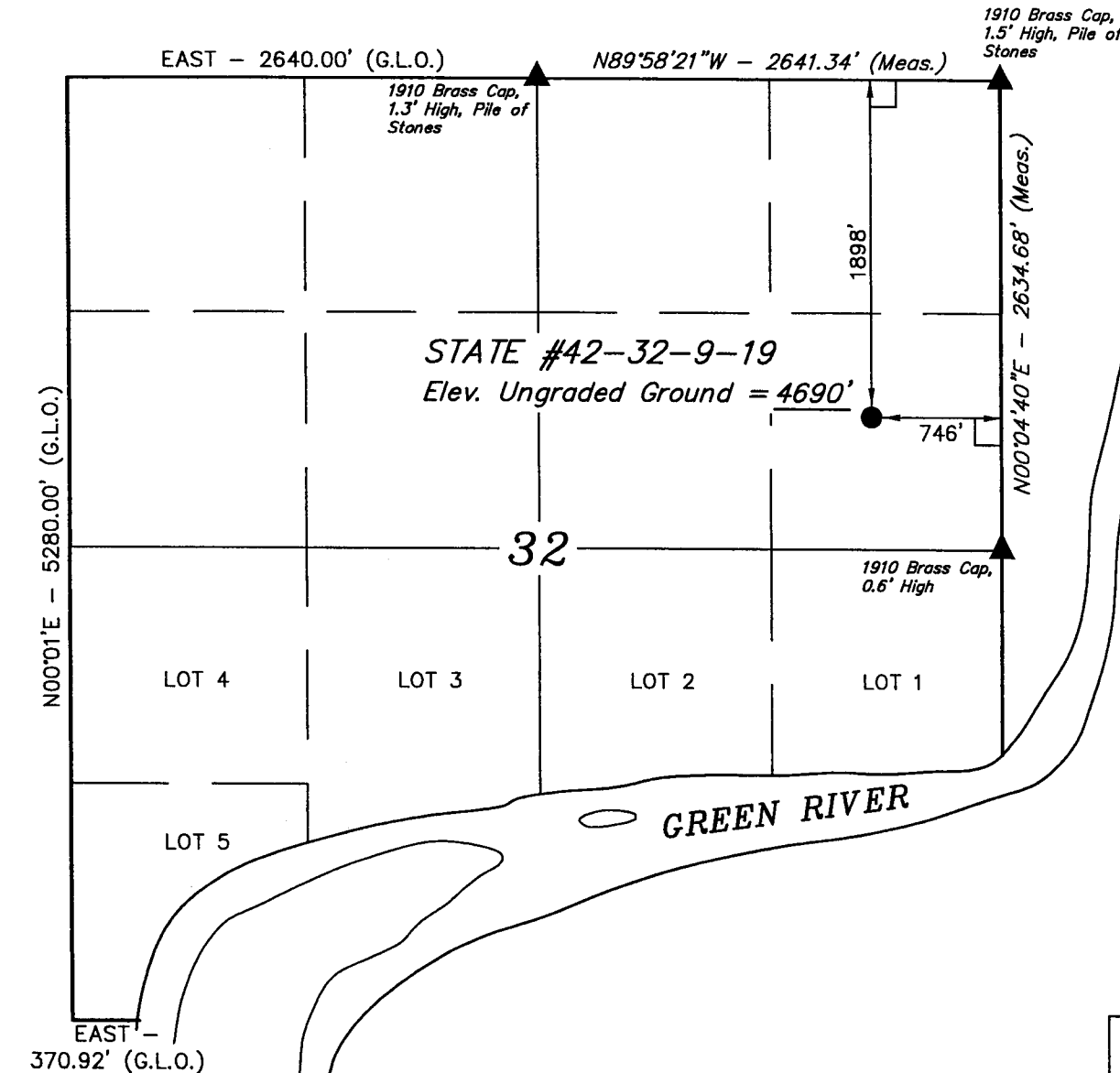
CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NO. 161319
 R. ROBERT L. KAY
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 6-29-04	DATE DRAWN: 7-6-04
PARTY K.K. B.W. K.G.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE GASCO PRODUCTION COMPANY	



LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED USING BEARING TREES

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(AUTONOMOUS NAD 83)

LATITUDE = 39°59'22.00" (39.989444)
 LONGITUDE = 109°47'51.38" (109.797606)



14421 County Rd. 10 • Ft. Lupton, Colorado 80621 • (303) 857-9999 • FAX (303) 857-0577 • E-MAIL Permitco 1@aol.com

November 30, 2007

**Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801
Attn: Minerals**

**Re: Gasco Production Company
State #42-32-9-19
1898' FNL and 746' FEL
SE NE Section 32, T9S-R19E
Uintah County, Utah**

Gentlemen:

Enclosed please find one copy of the Application for Permit to Drill, along with one copy of the Onshore Order No. 1 which was filed with the BLM in Vernal, Utah.

If you should need additional information, please don't hesitate to contact me.

Sincerely,

PERMITCO INC.

**Venessa Langmacher
Consultant for
Gasco Production Company**

Enc.

**cc: Gasco Production Company - Englewood, CO
Shawn Elworthy - Myton, UT
Shon McKinnon - Altamont, UT**

**RECEIVED
DEC 03 2007
DIV. OF OIL, GAS & MINING**

State #42-32-9-19
1898' FNL and 746' FEL
SE NE Section 32, T9S - R19E
Uintah County, Utah

Prepared For:

Gasco Production Company

By:

PERMITCO INC.
14421 County Road 10
Fort Lupton, CO 80621
303/857-9999

Copies Sent To:

- 2 - Utah Division of Oil, Gas & Mining - SLC, UT**
- 1 - Utah Division of Oil, Gas & Mining**
- 2 - Gasco Production Company - Englewood, CO**



The proposed wellsite is located on State Surface/State Minerals.

1. Estimated Tops/Geologic Markers

The estimated tops of important geologic markers are as follows:

<i>Formation</i>	<i>Depth</i>	<i>Subsea</i>
Uinta	Surface	+4,680'
Wasatch	4,935'	-240'
Mesaverde	8,645'	-3,950'
Castlegate	11,070'	-6,375'
T.D.	11,270'	-6,575'

2. Estimated Depths and Names of Anticipated Water, Oil, Gas or Other Minerals Bearing Formations.

<i>Substance</i>	<i>Formation</i>	<i>Depth</i>
Gas	Wasatch	5,200'-8,645'
Gas	Mesa Verde	8,645'-11,070'

3. Well Control Equipment & Testing Procedures

Gasco Production Company's minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double, 5000 psi w.p.

Gasco will comply with all requirements pertaining to well control as listed in the Rule R649-3-7 of the Utah Division of Oil, Gas & Mining.

The size and rating of the BOP stack is shown on the attached diagram.



4. Casing Program

The proposed casing program will be as follows:

<i>Purpose</i>	<i>Depth</i>	<i>Hole Size</i>	<i>O.D.</i>	<i>Weight</i>	<i>Grade</i>	<i>New/Used</i>
Surface	0-200'	17-1/2"	13-3/8"	48#	H-40	New
Intermediate	0-3,500'	11"	8-5/8"	36#	J-55	New
Production	0-11,270'	7-7/8"	4-1/2"	13.5#	P-110	New

Casing design subject to revision based on geologic conditions encountered.

5. Cement Program

<i>Surface</i>	<i>Type and Amount</i>
TOC - Surface	250 sxs Class H, 15.6 ppg, 1.18 yield.
<i>Intermediate</i>	<i>Type and Amount</i>
TOC - Surface	Lead: 400 sxs Hi-Fill @ 11.0 ppg, 3.91 yield Tail: 150 sxs RFC Cement @ 14.2 ppg, 1.63 yield
<i>Production</i>	<i>Type and Amount</i>
TOC - 1,000' Est. Top of Cement	Lead: 1370 sxs 65/35 Poz @ 13.0 ppg, 1.74 yield Tail: 1200 sxs 50/50 Poz @ 14.1 ppg, 1.28 yield

6. Drilling Fluids

The proposed circulating mediums to be employed in drilling are as follows:



Interval	Mud Type	Mud Wt.	Visc.	F/L	PH
0 - 3500'	Water	8.3-9.0	---	---	---
3500' - 11,270'	DAP Polymer Mud	9.5-11.5	30-40	15-20	7-9

7. Testing, Logging and Coring

The anticipated type and amount of testing, logging and coring are as follows:

- a. No drill stem tests are anticipated.
- b. The logging program will consist of a Schlumberger Platform Express from Base of Surface Casing to T.D.
- c. No cores are anticipated.

8. Anticipated Pressures and H₂S

- a. No H₂S is expected. The maximum anticipated bottom hole pressure is 6740 psi.

9. Water Source

- a. All water used for the drilling of this well will be purchased the Nebeker Water Station in Myton, UT. Permit No. 43-1723.

10. Other Information

- a. Drilling is planned to commence upon approval of this application.
- b. It is anticipated that the drilling of this well will take approximately 35 days.
- c. Lining of the reserve pit will be done if deemed necessary by the Utah Division of Oil, Gas and Mining.



Application for Permit to Drill

Gasco Production Company

State #42-32-9-19

1898' FNL and 746' FEL

SE NE Section 32, T9S - R19E

Uintah County, Utah

DRILLING PROGRAM

Page 4

d. At the end of drilling operations the location will be reclaimed and re-seeded as requested by the surface owner.

e. Surface Ownership

State of Utah



GASCO PRODUCTION COMPANY

STATE #42-32-9-19
LOCATED IN UINTAH COUNTY, UTAH
SECTION 32, T9S, R19E, S.L.B.&M.

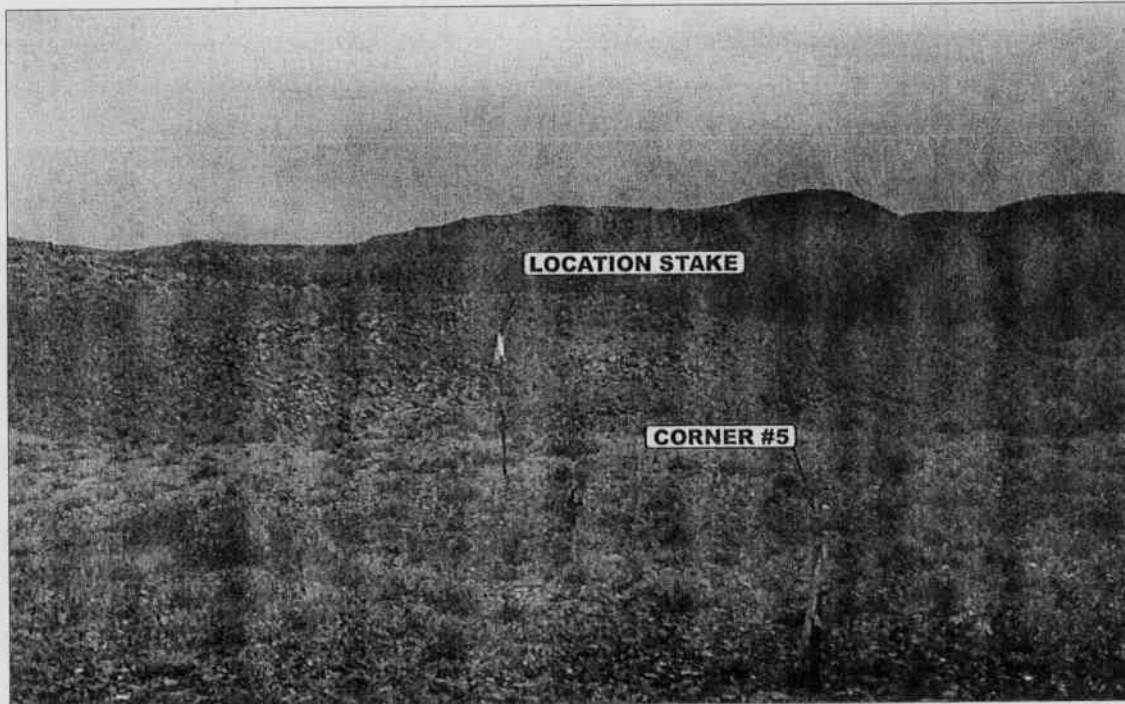


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: EASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

07 10 04
MONTH DAY YEAR

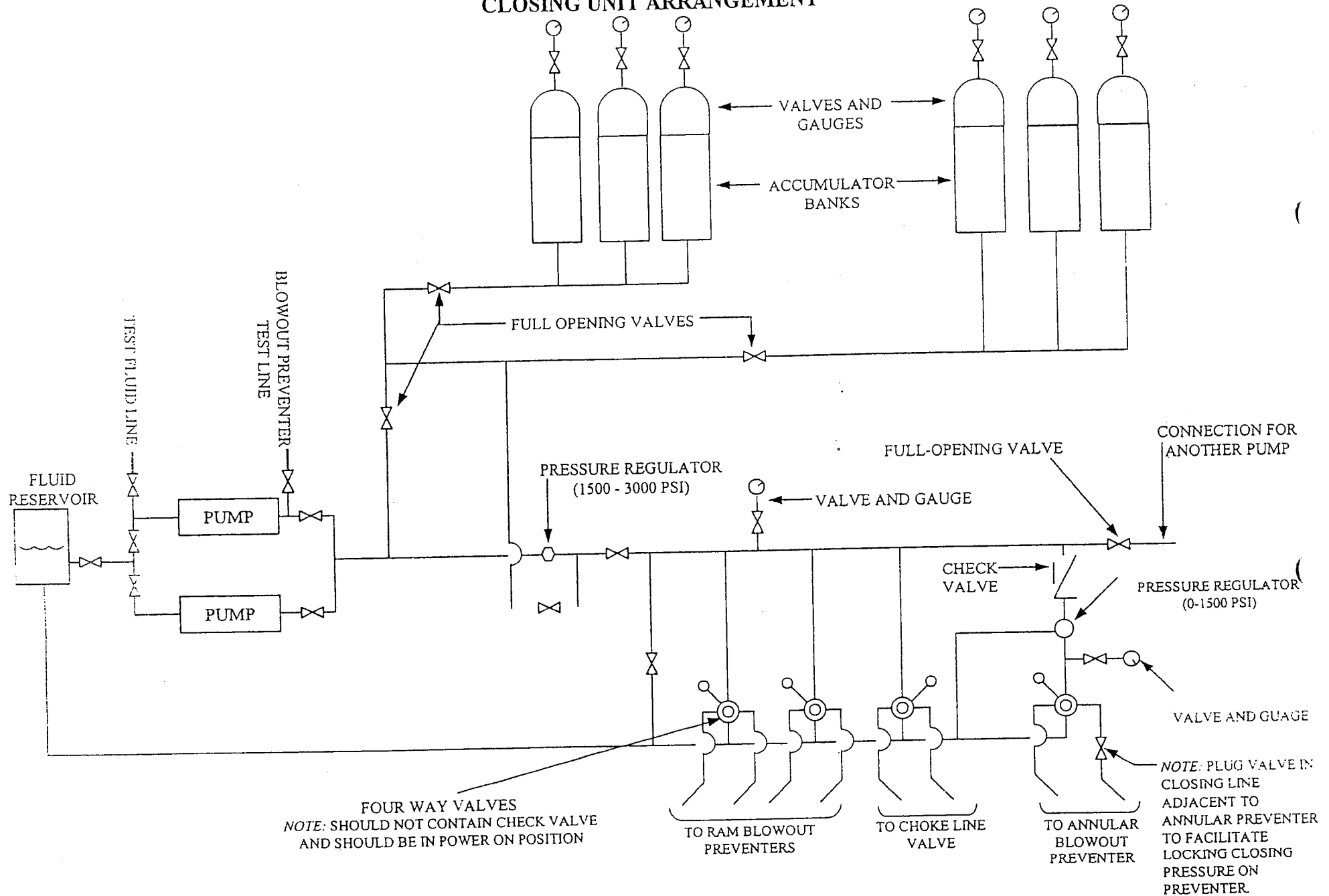
PHOTO

TAKEN BY: K.K.

DRAWN BY: P.M.

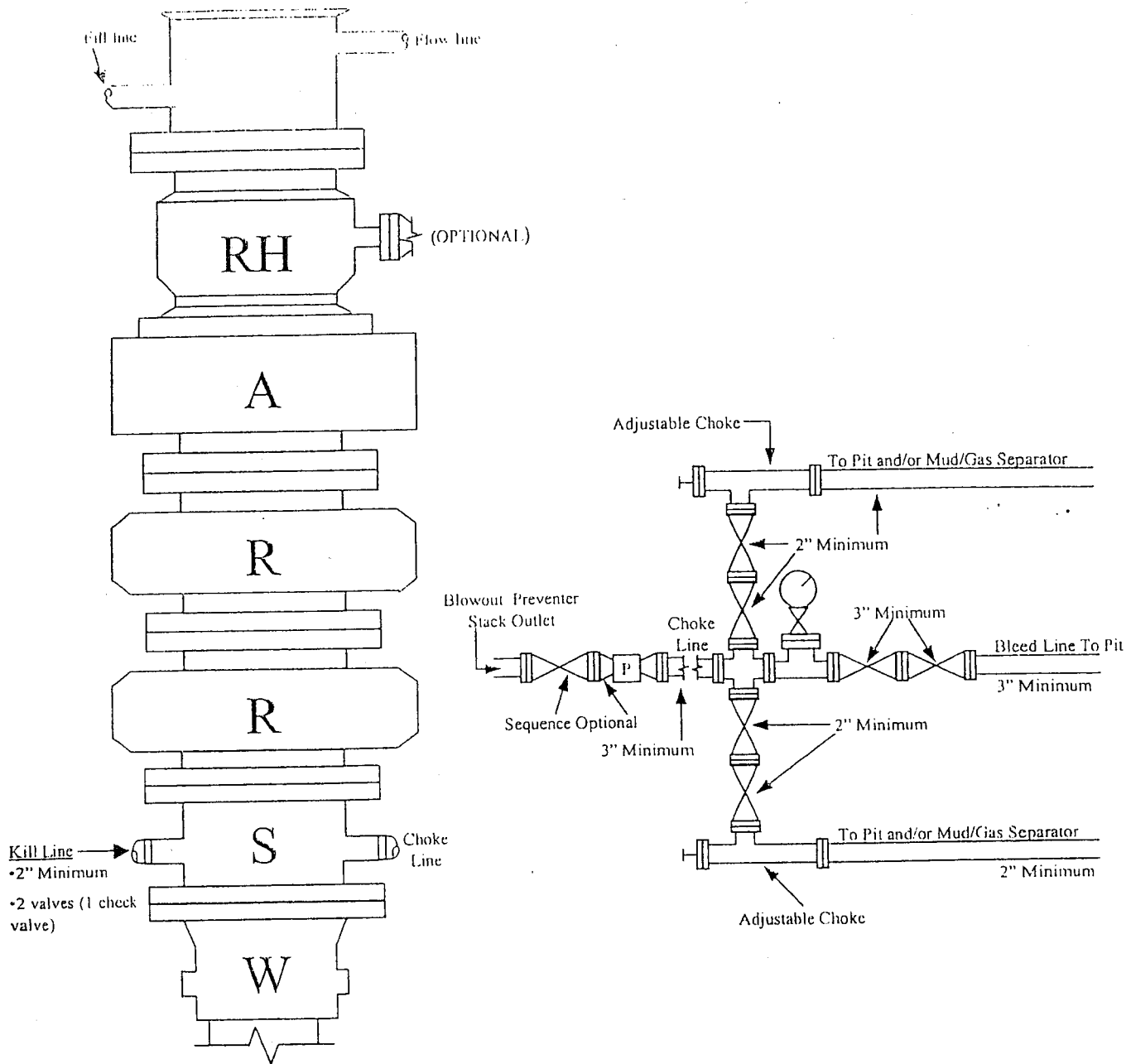
REVISED: 00-00-00

TYPICAL BLOWOUT PREVENTER CLOSING UNIT ARRANGEMENT



DOUBLE RAM TYPE PREVENTERS WITH AN OPTIONAL ROTATING HEAD

5000 psi system



* Note: Kill line shall be 2" minimum diameter and have two valves, one of which shall be a check valve. Both valves: 2" minimum.

Minimum BOP Stack

One Pipe Ram

One Blind Ram

One Annular

Well Head

Manifold

5000 psi Working Pressure

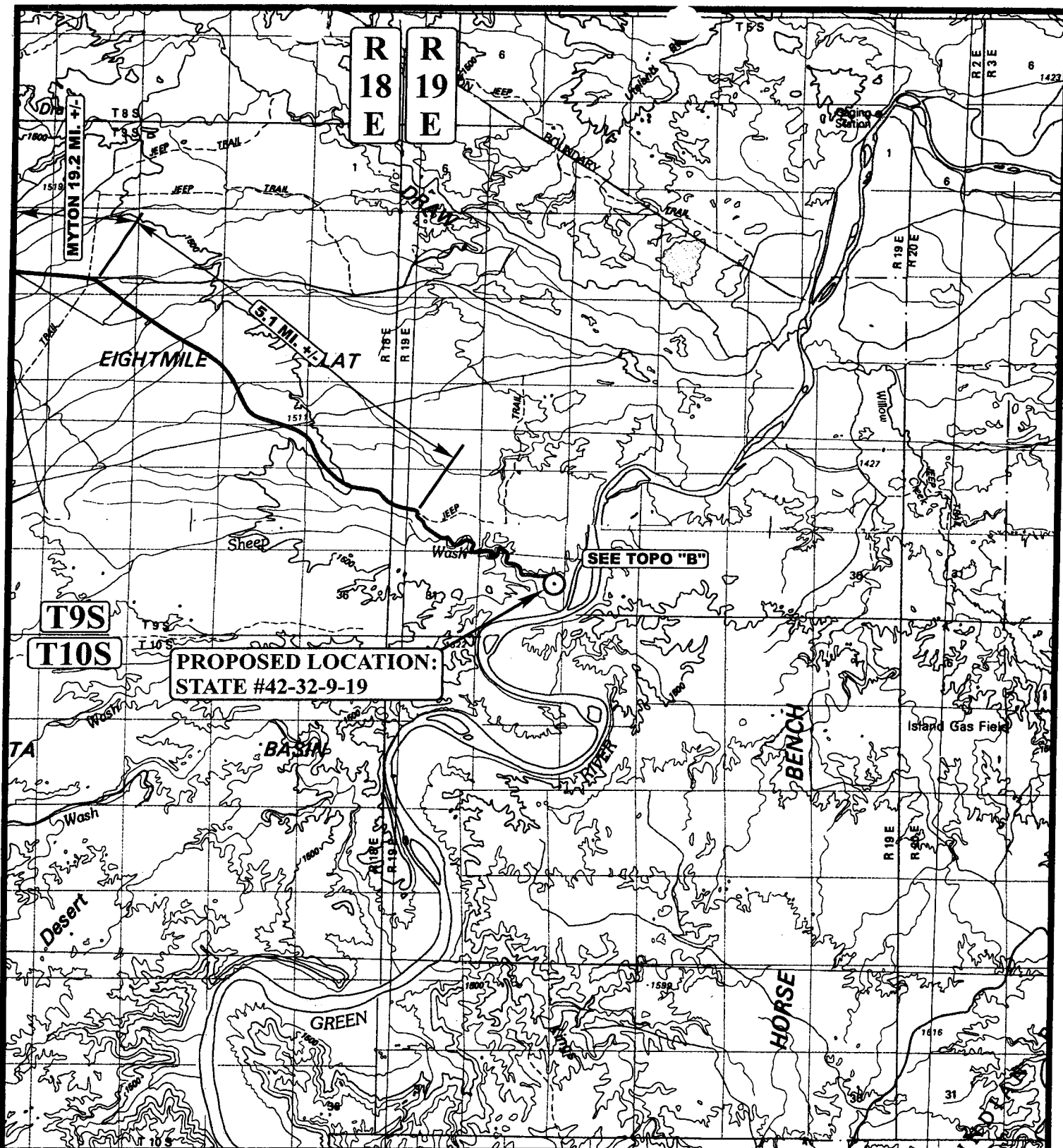
5000 psi Working Pressure

5000 psi Working Pressure

5000 psi Working Pressure

5000 psi Working Pressure

5000 psi Working Pressure



LEGEND:

○ PROPOSED LOCATION

GASCO PRODUCTION COMPANY

STATE #42-32-9-19

SECTION 32, T9S, R19E, S.L.B.&M.

1898' FNL 746' FEL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

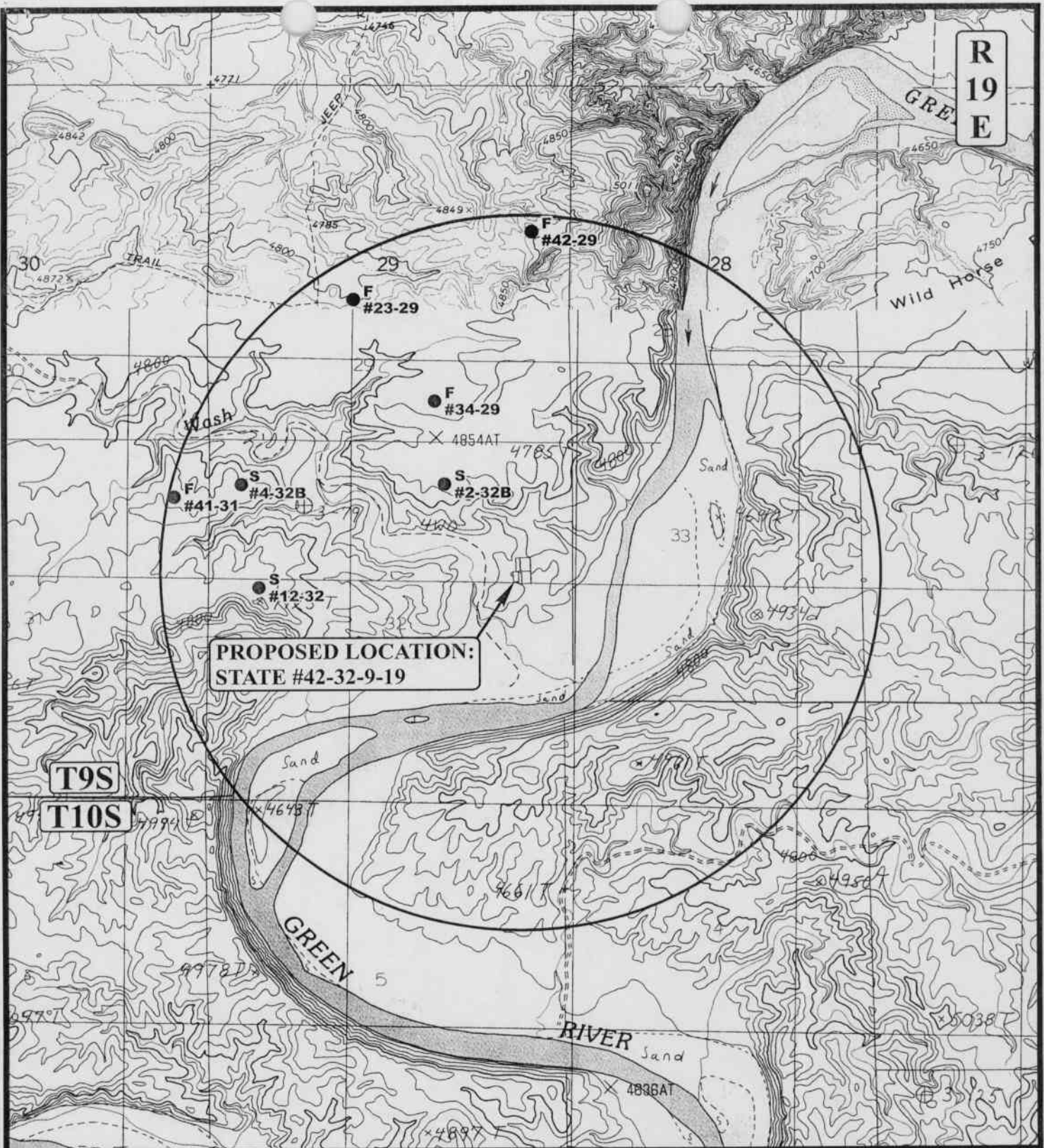


TOPOGRAPHIC
MAP

08 28 06
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 03-21-07





LEGEND:

- | | |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS | ○ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN WELLS | ● TEMPORARILY ABANDONED |

GASCO PRODUCTION COMPANY

STATE #42-32-9-19
 SECTION 32, T9S, R19E, S.L.B.&M.
 1898' FNL 746' FEL



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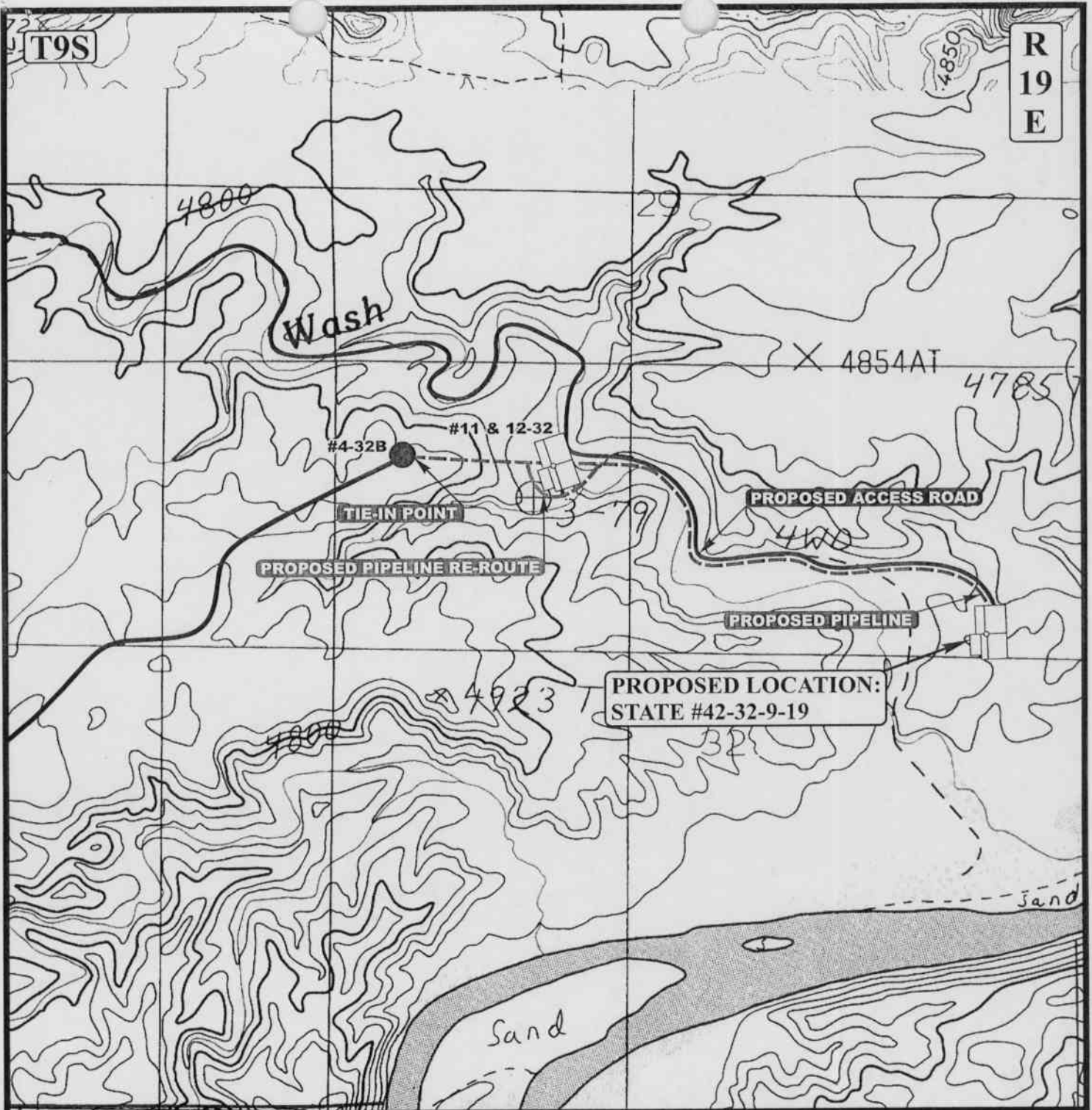


TOPOGRAPHIC
MAP

08 28 06
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 03-21-07





APPROXIMATE TOTAL PIPELINE RE-ROUTE DISTANCE = 706' +/-

APPROXIMATE TOTAL PIPELINE DISTANCE = 9,450' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- PROPOSED PIPELINE RE-ROUTE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)

N

GASCO PRODUCTION COMPANY

STATE #42-32-9-19

SECTION 32, T9S, R19E, S.L.B.&M.

1898' FNL 746' FEL



Uintah Engineering & Land Surveying
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(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

08 28 06
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 03-21-07

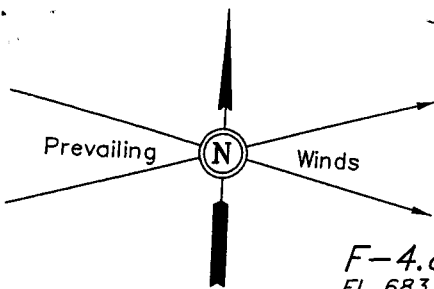
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TOPO

GASCO PRODUCTION COMPANY

LOCATION LAYOUT FOR

STATE #42-32-9-19
SECTION 32, T9S, R19E, S.L.B.&M.
1898' FNL 746' FEL

Proposed Access Road



SCALE: 1" = 50'
DATE: 7-6-04
Drawn By: K.G.

F-4.8'
El. 683.0'

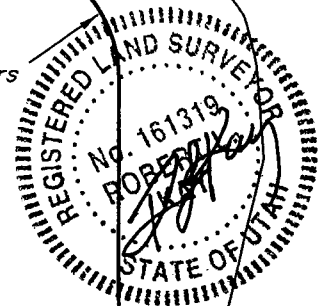
Approx.
Top of
Fill Slope

DATA

F-12.1
El. 675.7'

Sta. 3+80

Round Corners
as Needed



C-13.4'
El. 701.2'

NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.

Reserve Pit Backfill & Spoils Stockpile

FLARE PIT

C-4.5'
El. 692.3'

C-2.9'
El. 690.7'

C-2.6'
El. 690.4'

Approx.
Toe of
Cut Slope

El. 697.7'
C-17.9'
(btm. pit)

20' WIDE BENCH

30'

35'

RIG

DOG HOUSE

Sta. 1+80

C-6.6'
El. 694.4'

Total Pit Capacity
W/2' of Freeboard
= 10,760 Bbls. ±
Total Pit Volume
= 3,120 Cu. Yds.

10' WIDE BENCH

140'

Slope = 1-1/2:1

RESERVE PITS
(8' Deep)

TRASH

PUMP

MUD SHED

HOPPER

POWER

TOOLS

FUEL

Sta. 0+52

STORAGE TANK

El. 703.1'
C-23.3'
(btm. pit)

20' WIDE BENCH

F-2.4'
El. 685.4'

F-2.4'
El. 685.4'

Sta. 0+00

Reserve Pit Backfill & Spoils Stockpile

C-3.1'
El. 690.9'

Topsoil Stockpile

F-18.4'
El. 669.4'

Elev. Ungraded Ground at Location Stake = 4690.4'
Elev. Graded Ground at Location Stake = 4687.8'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

GASCO PRODUCTION COMPANY

TYPICAL CROSS SECTIONS FOR

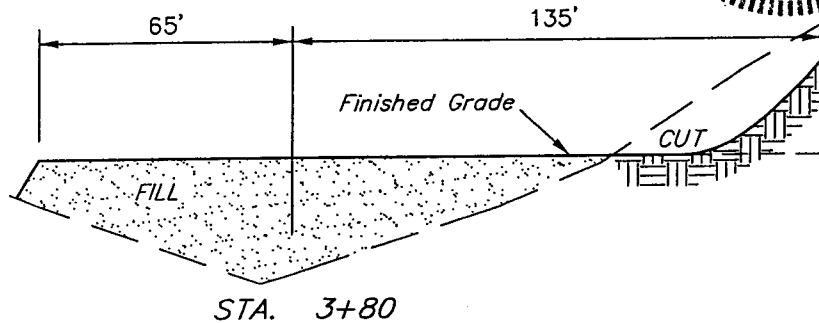
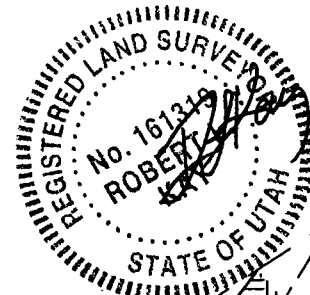
STATE #42-32-9-19

SECTION 32, T9S, R19E, S.L.B.&M.

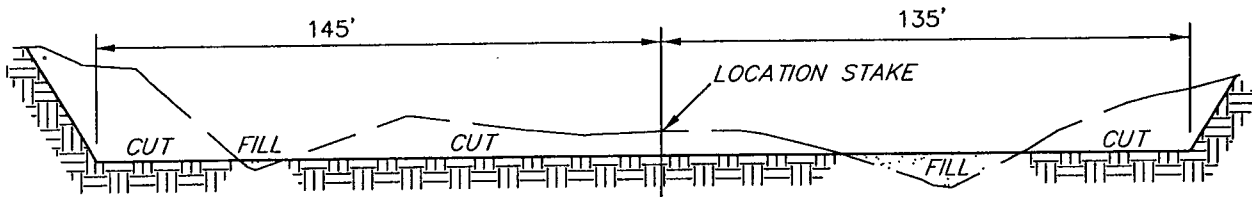
1898' FNL 746' FEL

1" = 20'
X-Section
Scale
1" = 50'

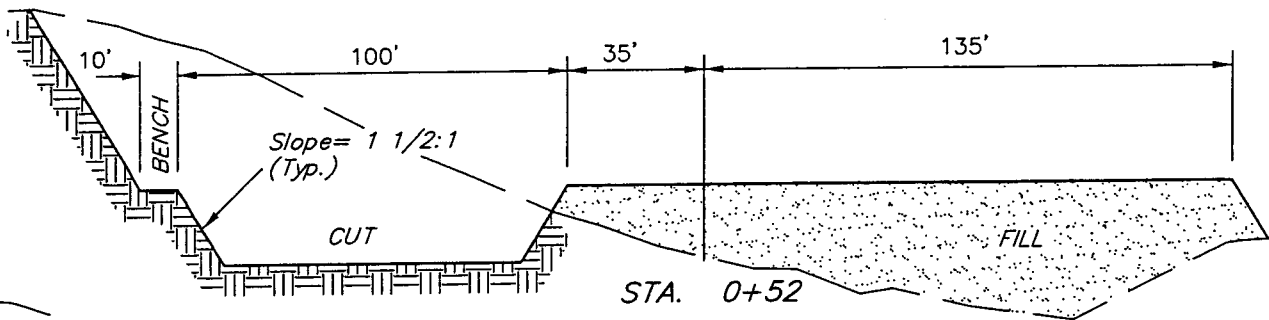
DATE: 7-6-04
Drawn By: K.G.



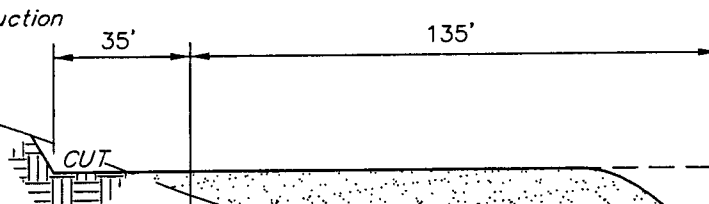
STA. 3+80



STA. 1+80



STA. 0+52



STA. 0+00

NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 2,110 Cu. Yds.
Remaining Location	= 13,000 Cu. Yds.
TOTAL CUT	= 15,110 CU.YDS.
FILL	= 11,440 CU.YDS.

* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

EXCESS MATERIAL	= 3,670 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,670 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

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85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017